

U.S. ENVIRONMENTAL PROTECTION AGENCY
POLLUTION/SITUATION REPORT
Wilcox Oil Company - Removal Polrep
Initial Removal Polrep



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region VI

Subject: POLREP #2
Initial/Progress
Wilcox Oil Company
06GG
Bristow, OK
Latitude: 35.8408040 Longitude: -96.3801930

To:
From: Mark Hayes, Environmental Engineer, OSC
Date: 1/2/2015
Reporting Period: 12/8/2014 - 12/11/2014

1. Introduction

1.1 Background

Site Number:	06GG	Contract Number:	
D.O. Number:		Action Memo Date:	7/10/2014
Response Authority:	CERCLA	Response Type:	Time-Critical
Response Lead:	EPA	Incident Category:	Removal Action
NPL Status:	NPL	Operable Unit:	
Mobilization Date:	12/8/2014	Start Date:	8/5/2014
Demob Date:	12/11/2014	Completion Date:	12/11/2014
CERCLIS ID:	OK0001011917	RCRIS ID:	
ERNS No.:		State Notification:	
FPN#:		Reimbursable Account #:	

1.1.1 Incident Category

Time-Critical

1.1.2 Site Description

Wilcox Oil Company is an inactive and abandoned oil refinery located in Bristow, Creek County, Oklahoma. The site consists of contaminated areas and surface water bodies due to the release from the former Lorraine and former Wilcox Refineries. Wilcox Oil Company operated as a crude oil refinery from the 1920s until 1963. Wilcox Oil Company expanded its operations when it acquired the Lorraine Refinery in 1937. The main components of the facility consisted of a skimming plant, cracking unit, storage tanks, and redistillation battery with a vapor recovery system and treatment equipment. Currently, a church and several residents are located within the former refinery boundaries, half of which utilize ground water from private wells. Homes are located in areas of former waste operations.

A residential property owner within the Wilcox Site expressed concerns for one of his children after he tested positive for Lead contamination. The Oklahoma Department of Environmental Quality requested the assistance of EPA to conduct an assessment of the property.

1.1.2.1 Location

The Wilcox Refinery Site is located northeast of the City of Bristow, Creek County, Oklahoma at West 221st Street South/Refinery Road, 0.35 mile east of US Highway 66, 35.840804N, 96.380193W.

Residential property located at (b) (6)

1.1.2.2 Description of Threat

Potential Lead contamination within the soils on a residential property.

1.1.3 Preliminary Removal Assessment/Removal Site Inspection Results

On December 8 thru 11, 2014 EPA conducted soil sampling on the residential property to determine if any concentrations of Lead exist with the soil and the extent of potential contamination

2. Current Activities

2.1 Operations Section

2.1.1 Narrative

ODEQ requested the assistance of EPA in assessing and securing contaminated areas of the Site by installing fencing, posting warning signs, and securing an abandoned drinking water well with a cap.

2.1.2 Response Actions to Date

On 31 July 2014 the EPA OSC, ODEQ, and First Assembly of God Church representatives conducted a site walk. During that time EPA Emergency Rapid Response Service (ERRS) contractor installed a cap with key access on to an abandoned 4" drinking water well located near the church. EPA and ODEQ conducted a site walk of an oily sludge contaminated area behind a residential home.

On 5 August 2014 ERRS mobilized to the residential property to initiate the installation of fencing with signage around the oily sludge contaminated area. ERRS installed 690 linear feet of fencing. ERRS completed work and demobilized from the Site on 9 August 2014. EPA met with the residential property owner and conducted a final site walk of the installed fencing and signage on 13 August 2014.

On 8 December 2014 START mobilized to the site with the EPA OSC to conduct soil sampling. Grids were established on the residential property according to the level of use by the resident. Areas around the home and garage or other highly used areas were arranged with smaller grids to increase the likelihood of locating contamination if present. Other sections of the property were also sampled using larger sized grids. Each grid was sampled at intervals down to 12 inches unless refusal was noted by collecting a 5-alliquot composite by utilizing a truck-mounted geoprobe. Surface soil samples were also collected from around the residents pond where fishing was done in the past. Two biased samples were collected from the sludge contaminated area within the fence to be analyzed for oil related analytes to see potential chemicals of concern in those areas. In total, 187 samples were collected in this effort.

2.1.3 Enforcement Activities, Identity of Potentially Responsible Parties (PRPs)

Enforcement is currently identifying and pursuing any viable PRPs. Where the PRPs are known, an effort initially shall be made, to the extent practicable, to determine whether they can and will perform the necessary removal action promptly and properly.

2.1.4 Progress Metrics

<i>Waste Stream</i>	<i>Medium</i>	<i>Quantity</i>	<i>Manifest #</i>	<i>Treatment</i>	<i>Disposal</i>

2.2 Planning Section

2.2.1 Anticipated Activities

Await results from laboratory analysis and determine location of elevated samples, if present.

2.2.1.1 Planned Response Activities

Enforcement is currently identifying and pursuing any viable PRPs. Where the PRPs are known, an effort initially shall be made, to the extent practicable, to determine whether they can and will perform the necessary removal action promptly and properly.

2.2.1.2 Next Steps

Enforcement and remedial planning activities are on-going

2.2.2 Issues

2.3 Logistics Section

No information available at this time.

2.4 Finance Section

No information available at this time.

2.5 Other Command Staff

No information available at this time.

3. Participating Entities

No information available at this time.

4. Personnel On Site

- 1 EPA OSC
- 2 START Personnel
- 2 Geoprobe Operators

5. Definition of Terms

No information available at this time.

6. Additional sources of information

No information available at this time.

7. Situational Reference Materials

No information available at this time.